Index of Claims

| Application No. | Applicant(s)  |  |
|-----------------|---------------|--|
| 10/645,832      | SAWYER ET AL. |  |
| Examiner        | Art Unit      |  |
| Erica E Cadugan | 3722          |  |

| √ | Rejected |
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| = | Allowed  |

| [- | (Through numeral)<br>Cancelled |
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| ÷  | Restricted                     |

| N | Non-Elected  | [, |
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| i | Interference |    |

| A | Appeal   |
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| o | Objected |

| Cla  | aim      | Date      |          |          |          |          |            | Claim Date |  |  |       |          | ٦                             | С   | Date      |   |           |               |             |       |          |          |                 |          |               |                 |          |           |          |          |          |
|--|----------|-----------|----------|----------|----------|----------|------------|------------|--|--|-------|----------|-------------------------------|---|-----------|---|-----------|---------------|-------------|-------|----------|----------|-----------------|----------|---------------|-----------------|----------|-----------|----------|----------|----------|
|  | _        |           |          |          |          |          |            |            |  |  |       | -        |                               |   |           |   |           |               |             |       |          | T        |                 |          |               |                 |          |           |          |          |          |
| Final  | Original | 3/9/05    |          |          |          |          |            |            |  |  | Final | Original |                               |   |           |   |           | 1             |             |       | Final    | Original |                 |          |               |                 |          |           |          |          |          |
| 년  | jë.      | 3/9/      |          |          |          |          |            |            |  | İ  | ᇤ     | rig      |                               |   |           |   |           | ]             |             |       | iE       | Ē        |                 |          | ıl            |                 |          |           |          |          |          |
| _  | 0        | (')       |          |          |          |          |            |            |  |  |       | 0        |                               |   |           |   | H         |               |             |       | _        | 0        |                 |          | ıl            |                 |          |           |          |          |          |
| ┝  | 1        | +         | $\dashv$ | ┪        | ᅥ        | ᅱ        |            | _          | ╁  | -  |       | 51       | <del>  -  </del>              | +   |           | +-  | $\vdash$  | -             | +           | ۱     | <u> </u> | 101      | Н               |          | $\Box$        | Н               |          |           | $\dashv$ | $\dashv$ | $\dashv$ |
| -  | 2        | +         | -        | ┪        | ╅        | $\dashv$ | -          |            | -  | $\vdash$   |       | 52       | $\vdash$                      | ┰   | +         | +   | $\vdash$  | -             | $\dashv$    | -     |          | 102      | Н               |          | Н             | $\vdash$        | =        |           | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 3        | ÷         |          | $\dashv$ | $\dashv$ | $\dashv$ |            | _          | $\vdash$   | $\vdash$   |       | 53       |                               | +   | +         | +   | $\vdash$  | $\vdash$      | +           | -     |          | 103      | $\vdash$        |          | -             | $\vdash$        | -        | -         | $\vdash$ | $\dashv$ | $\dashv$ |
| <u> </u>   |          | +         |          | $\dashv$ | -        |          |            |            |  | $\vdash$   |       | 54       | ┢                             | +   | +         | +   | $\vdash$  | $\vdash$      | +           | -     |          | 103      | Н               |          | $\vdash$      | $\vdash$        |          |           | $\vdash$ | $\dashv$ | $\dashv$ |
| <u> </u>   | 4        |           |          | -        | -        | $\dashv$ |            | _          | <u> </u>   | ļ  |       |          | ₩                             |   | -         | +-  | ╁╌┨       |               | -           | -     |          | 104      | Н               |          | $\dashv$      | $\vdash$        | _        |           | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>   | 5        | +         | _        | -        | -        | $\dashv$ | -          |            | ⊢  | <u> </u>   |       | 55       | ├-┼-                          | -   |           | ╁   | +         | $\dashv$      | -           | -     | ├        | 105      | Н               |          | $\dashv$      | Н               | _        | _         | $\vdash$ | -        | $\dashv$ |
| <u> </u>   | 6        | ÷         | _        | -        |          | -        | _          | _          | <u> </u> _                                       | _  |       | 56       | $\vdash$                      | -   | -         |   | 1—        |               | -           | -     | <u> </u> | 106      | -               | _        | $\dashv$      | $\vdash$        |          |           | -        | -        | $\dashv$ |
|  | 7        | ÷         | _        |          |          | $\dashv$ |            |            | <u> </u>   |  |       | 57       |                               | _   | - -       |   | $\vdash$  |               |             | 4     |          | 107      | Ш               |          | $\vdash$      |                 |          |           | Ш        | _        | Ш        |
|  | 8        | +         | _        | _        | _        | _        | _          | _          |  | _  |       | 58       |                               |   |           | —   | 1         |               |             | 4     |          | 108      |                 |          | Щ             | Ш               |          |           |          | _        | Щ        |
|  | 9        | +         |          |          |          | $\dashv$ |            | _          | <u> </u>   | _  |       | 59       | _                             | 4   |           | ┷   | 1         |               |             | _     |          | 109      | Ш               |          | Ш             | Ш               |          |           | Ш        | _        | Щ        |
|  | 10       | +         |          | _        | _        | _        |            |            | <u> </u>   | _  |       | 60       | <u> </u>                      |   |           |   | $\Box$    |               |             | _     |          | 110      | Ш               |          | Ш             | Ш               |          |           |          |          | Ш        |
|  | 11       | +         |          |          | _        |          |            |            | <u></u>  | <u>_</u>   |       | 61       | $\sqcup \! \! \! \! \! \perp$ | $\perp$   |           | $\perp$   | Ш         |               |             |       |          | 111      | Ш               |          |               | Ш               |          |           |          |          | Щ        |
|  | 12       | +         |          |          |          |          |            |            |  |  |       | 62       |                               |   |           |   | $\square$ |               |             | _     |          | 112      |                 |          |               |                 |          |           |          |          |          |
|  | 13       |           |          |          |          | [        |            |            | L  |  |       | 63       | $\Box \Box$                   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | ⊥         | $oldsymbol{ol}}}}}}}}}}}}}} $ | $\Box$    |               | $\Box \Box$ |       |          | 113      |                 |          |               |                 |          |           |          |          |          |
|  | 14       |           |          |          |          |          |            |            | $\Box$   |  |       | 64       |                               |   |           | $I^{-}$   |           |               |             | ]!!!! |          | 114      |                 |          | П             |                 |          |           | $\Box$   | $\neg$   | П        |
|  | 15       |           |          |          |          |          |            |            | Π  |  |       | 65       |                               |   | T         | Ī   | П         | $\sqcap$      | $\neg$      | 7     |          | 115      | П               |          |               | $\Box$          |          |           |          | $\neg$   | П        |
|  | 16       |           | 一        |          | _        | $\neg$   |            |            | Γ  | Γ  |       | 66       |                               | ┪   | $\top$    | 1   | П         |               | _           | 7     |          | 116      | П               |          | $\neg$        | П               |          |           | $\Box$   | $\neg$   |          |
|  | 17       |           |          |          |          | $\dashv$ |            |            |  | Г  |       | 67       |                               | $\top$  | T         | T   | П         | $\dashv$      | $\neg$      | 1     |          | 117      | П               | $\neg$   | $\dashv$      | П               | $\Box$   |           | $\sqcap$ | $\dashv$ | $\Box$   |
|  | 18       |           | $\dashv$ |          | $\neg$   | _        |            |            |  | Н  |       | 68       | $\vdash$                      | +   | $\dagger$ | $\top$  | Н         | $\vdash$      | $\dashv$    | 1     |          | 118      | Н               | $\neg$   | $\neg$        | П               | Н        |           | $\vdash$ | $\dashv$ |          |
|  | 19       |           | $\dashv$ | T        | $\dashv$ | ┪        |            |            |  | Н  |       | 69       | H                             | +   | ╅         | +   | Н         | $\vdash$      | +           | -     | <u> </u> | 119      | Н               | _        | $\neg$        | М               |          | $\neg$    | -        | ᅱ        | $\dashv$ |
|  | 20       | H         | $\dashv$ | +        | _        | ┪        |            |            |  |  |       | 70       |                               | +   | +         | +   | H         | +             | $\dashv$    | -     |          | 120      | H               | $\dashv$ |               | Н               | -        | Н         | $\dashv$ | ᅱ        | $\dashv$ |
|  | 21       |           | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$   |            | $\vdash$   | $\vdash$   |       | 71       | $\vdash$                      | +   | +         | +   | $\vdash$  | $\rightarrow$ | +           | -     | -        | 121      | H               | -        |               | $\vdash$        | -        |           | $\dashv$ | $\dashv$ | $\dashv$ |
| -  | 22       |           | $\dashv$ | $\dashv$ | ↤        | $\dashv$ | $\dashv$   |            | ⊢  | $\vdash$   |       | 72       | $\vdash$                      | +   | ╁         | +   | $\vdash$  | $\rightarrow$ | +           | -     | <u> </u> | 122      | Н               |          | $\vdash$      | $\vdash$        | $\dashv$ | -         | $\dashv$ | $\dashv$ | $\vdash$ |
|  | 23       |           | -        | $\dashv$ | $\dashv$ |          | -          |            | H  | H  |       | 73       | -                             | +   |           | +   | $\vdash$  | +             | -           | -     | <u> </u> | 122      |                 |          | -             | $\vdash$        | -        | -         |          |          | $\dashv$ |
|  |          | _         |          | -        |          |          | -          |            | <u> </u>   | H  |       |          | $\vdash$                      | +   | +         | +   | Н         | -             | +           | -     | <u> </u> | 123      | Н               | -        | -             | $\vdash$        | _        | _         | $\dashv$ |          | $\vdash$ |
|  | 24       | _         | -        | -        |          |          | -          |            | <u> </u>   | _  |       | 74       | -                             | +   | -         | +   | $\vdash$  | -             | +           | -     |          | 124      | Н               | -        | $\vdash$      | $\vdash$        | _        | _         | $\dashv$ |          |          |
|  | 25       | _         | -        |          |          |          |            |            | <del> </del>                                     | -  |       | 75       |                               | +   |           | +   | $\vdash$  | -             | _           | -     | -        | 125      | Н               | _        | $\vdash$      | $\vdash\vdash$  |          | _         | $\dashv$ | $\dashv$ | $\vdash$ |
|  | 26       |           |          |          |          | _        | $\dashv$   |            | <u> </u>   | <u> </u>   |       | 76       | <b>-</b>                      | +   | _         | +   | $\sqcup$  | $\Box$        | $\dashv$    | -     |          | 126      | Ш               | _        | $\vdash$      | $\vdash \vdash$ |          |           | _        | -        | -        |
|  | 27       |           | _        | 4        | _        | _        |            |            |  |  |       | 77       | $\sqcup$                      | $\bot$  | _         | $\bot$  | Ш         | _             | _           | 4     | ļ        | 127      |                 | _        | $\vdash$      | ш               |          | _         | $\dashv$ | _        | Ш        |
|  | 28       |           | _        | _        | _        | _        |            |            |  |  |       | 78       |                               | $\perp$   | _         | $\bot$  | $\sqcup$  | _             |             | _     |          | 128      |                 | _        |               |                 |          |           |          | _        | Ш        |
|  | 29       |           | _        | _        | _        | _        |            |            |  | $ldsymbol{le}}}}}}}$ |       | 79       | LL.                           | $\perp$   | ᆚ         |   | Ш         |               |             | _     |          | 129      |                 |          | Ш             | Ш               |          |           |          |          | Ш        |
|  | 30       |           |          |          |          | _        |            |            |  |  |       | 80       |                               | ᆚ   |           |   | $\sqcup$  |               |             | _     |          | 130      |                 |          |               | Ш               |          |           |          | _        |          |
|  | 31       |           |          | $\Box$   |          |          |            |            |  | _  |       | 81       |                               |   |           |   |           |               |             | _     |          | 131      |                 |          |               |                 |          |           |          |          |          |
|  | 32       |           |          |          |          |          |            |            |  |  |       | 82       |                               |   |           |   |           |               |             |       |          | 132      |                 |          |               |                 |          |           |          |          |          |
|  | 33       |           |          |          |          |          |            |            |  |  |       | 83       |                               |   |           |   |           |               |             |       |          | 133      |                 |          |               |                 |          |           |          | $\Box$   |          |
|  | 34       |           |          |          | T        |          | $\Box$     |            |  |  |       | 84       | $\Box \mathbb{T}$             | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |           | $oldsymbol{ol}}}}}}}}}}}}}} $ |           |               |             | ]:::: |          | 134      |                 |          |               |                 |          |           |          | _7       |          |
|  | 35       |           |          |          | $\Box$   |          |            |            |  |  |       | 85       |                               |   | Т         | T   | $\Box$    |               |             |       |          | 135      |                 |          |               |                 |          |           |          | コ        | П        |
|  | 36       |           |          |          |          |          | 一          |            |  |  |       | 86       |                               | 1   | Т         | 1   |           |               | $\neg$      | 7     |          | 136      |                 |          |               | $\sqcap$        |          |           |          | $\neg$   | П        |
|  | 37       |           |          | $\neg$   |          | $\neg$   | $\neg$     |            |  | Г  |       | 87       |                               | $\top$  |           | $\top$  |           | $\neg$        |             | 7     |          | 137      | П               |          |               | $\sqcap$        | $\neg$   |           | $\neg$   | $\neg$   | П        |
|  | 38       |           | 1        | 1        |          |          | $\neg$     |            | Г  | Г  |       | 88       |                               | $\top$  | $\top$    | 1   | П         | 一             |             | 7:::: |          | 138      | П               |          | $\dashv$      | $\sqcap$        | _        |           | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 39       | $\Box$    | $\dashv$ | $\dashv$ | 寸        | $\dashv$ | $\dashv$   |            | ┪  |  |       | 89       | $\vdash$                      | ┰   | 十         | 1   | $\Box$    | _             | _           | 1     |          | 139      | П               |          | $\dashv$      | П               |          |           | H        | ᅥ        | $\dashv$ |
|  | 40       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | 一          |            | <del>                                     </del> |  |       | 90       |                               | +   | +-        | $\top$  | $\Box$    | $\dashv$      | $\dashv$    | ۱     | $\vdash$ | 140      | Н               |          | $\dashv$      | $\sqcap$        |          | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |
| <del>                                     </del> | 41       | Н         | +        | +        | $\dashv$ | $\dashv$ |            | _          | $\vdash$   | $\vdash$   |       | 91       | $\vdash$                      | - -   | +         | +   | $\vdash$  | $\dashv$      | $\dashv$    | ⊣:::: | $\vdash$ | 141      | Н               | $\dashv$ | $\dashv$      | $\vdash$        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |
| <del>                                     </del> | 42       | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ |          | -          | _          | $\vdash$   | -  |       | 92       | $\vdash \vdash$               | - -   | ╅         | ╁╌  |           | $\dashv$      | -           |       | -        | 142      | Н               | $\dashv$ | $\dashv$      | $\vdash$        |          |           | $\dashv$ | ┰        | $\dashv$ |
| ├  | 43       |           | +        | +        | $\dashv$ |          |            | -          | ⊢  | -  |       | 93       | ⊢⊢                            | ┰   | ╁         | ┿   | $\vdash$  | $\dashv$      | $\dashv$    | -     | <u> </u> | 143      | $\vdash \vdash$ | $\dashv$ | $\dashv$      | ┌┼              | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |
| <del>  -</del>                                   | 44       |           | $\dashv$ | $\dashv$ | $\dashv$ |          |            | _          | -  | _  |       | 94       | <del>   </del>                | ┰   | ╌         | +   | ┥         | -+            | +           | -     | -        | 144      | $\vdash$        |          | $\dashv$      | $\vdash\vdash$  | $\dashv$ |           | +        | $\dashv$ | $\dashv$ |
| <u> </u>   | 45       | -         | $\dashv$ | $\dashv$ | -+       |          |            | _          | -  |  |       | 95       | $\vdash$                      |   | ┰         | +-  | ┥         | -+            | -           |       |          | 144      | $\vdash$        |          | $\vdash$      | $\vdash\vdash$  | $\dashv$ | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>   |          | -         |          |          |          |          |            |            | -  | <u> </u>   |       |          | -                             | +   | +         | +   | ⊢         |               | +           | -     | <u> </u> | 145      | $\vdash$        | _        | $\rightarrow$ | $\vdash$        |          | $\Box$    | $\dashv$ |          |          |
| <u> </u>   | 46       | -         | $\dashv$ |          |          |          |            |            |  | <u> </u>   |       | 96       | ⊢-                            | 4-  | +         | +-  | $\vdash$  |               | $\perp$     | 4     | <u> </u> | 146      | -               | _        |               | <b>  </b>       | _        | $\square$ | $\dashv$ |          | $\dashv$ |
| <u> </u>   | 47       | $\square$ | _        | 4        | -        |          |            |            | <u> </u>   | <u> </u>   |       | 97       | $\vdash \vdash$               | +   | +         | +   | $\sqcup$  |               | _           | 4     | ļ        | 147      | $\vdash \vdash$ | _        | Щ             | ⊢⊢              | _        |           |          |          | ᅬ        |
| <u> </u>   | 48       | Щ         | _ļ       | _        | _        |          | ļ          |            |  | Щ  |       | 98       | $\sqcup \bot$                 | 1   | 4         | 1_  | $\sqcup$  | _             |             | 4     |          | 148      | Ш               |          | Щ             | Ш               |          |           |          |          | $\Box$   |
| <u> </u>   | 49       | Щ         |          | _        |          |          | _          |            | L_   |  |       | 99       | $\sqcup \bot$                 | $\perp$   | $\perp$   | $\perp$   | Ш         | ļ             |             | _     |          | 149      |                 |          | Ш             | Ш               |          |           | $\Box$   |          | $\Box$   |
|  | 50       |           |          |          |          |          | $_{\perp}$ |            | L  |  |       | 100      |                               |   |           | 1_  | L         | 1             |             |       | <u> </u> | 150      | Ш               | l        |               | ل               |          |           |          | $\perp$  |          |